



Description

TRANSVERSE INDUCTION HEATING APPARATUS

Technical Field

The present invention relates to a transverse induction heating apparatus disposed in a hot-rolling steel production line.

Background Art

In a conventional solenoid type induction heating apparatus, although only a surface has a high temperature by a skin effect, a specified time is taken so that heat energy is sufficiently diffused into the inside of a plate and the temperature of the surface becomes lower than that at the center in plate thickness, and a temperature distribution in a plate thickness direction becomes appropriate.

For example, see JP-A-10-128424 (page 5, Fig. 1).

Further, in a transverse type induction heating apparatus, at the inlet side of a finish rolling mill, an inductor is moved in the width direction of a front edge part or a tail edge part of a material to be rolled so that the whole range of the material to be rolled is heated, and the inductor is moved to an edge part in the

*Substitute  
Specification  
Entry  
Approved  
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5/8/2006*